



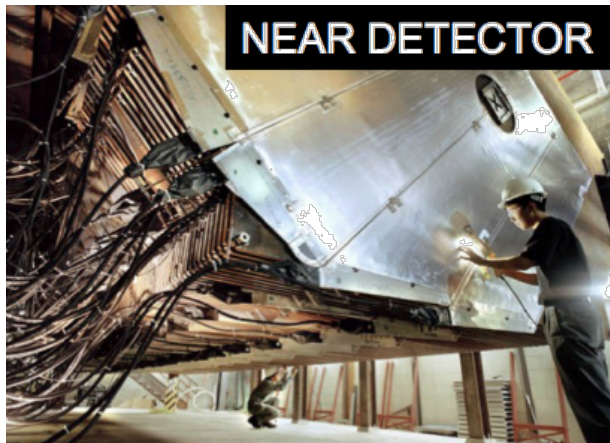
MINOS+ Status Report



Donatella Torretta
All Experimenters' Meeting
March 23, 2015



Near Detector



DAQ news

- DAQ has been running well this past week
- Bill investigated some issues on hot spare timing computer's serial lines (we might have to swap the minos-daq09-nd box)

Electronics/Detector news

- Fixed two known (+ one) warm channels swapping the Minder boards
- Cold channel 7-16-1-0 remains:
 - Swapped Minder board a few times
 - Need more investigation during extended beam downtime but is a minor problem
- Some MIS-COUNT errors in 0-19
 - We'll try replacing Master 0-19



Far Detector

DAQ news

- DAQ has been running well this past week
- Intermittent spurious alarms from DCS under investigation

Power outage

- Planned power outage at Soudan on Wednesday 3/18 while beam was also off

Electronics/Detector news

- One intermitted CI low gain channel (one pixel)
- CI Special runs taken during occasional beam downtimes
- Replaced 'Harvard' box (power supply for all the PMTs multiplexed boxes) in Crate 5
- Fixed cold channel 8-3-0-1-1
 - swapped PMT base





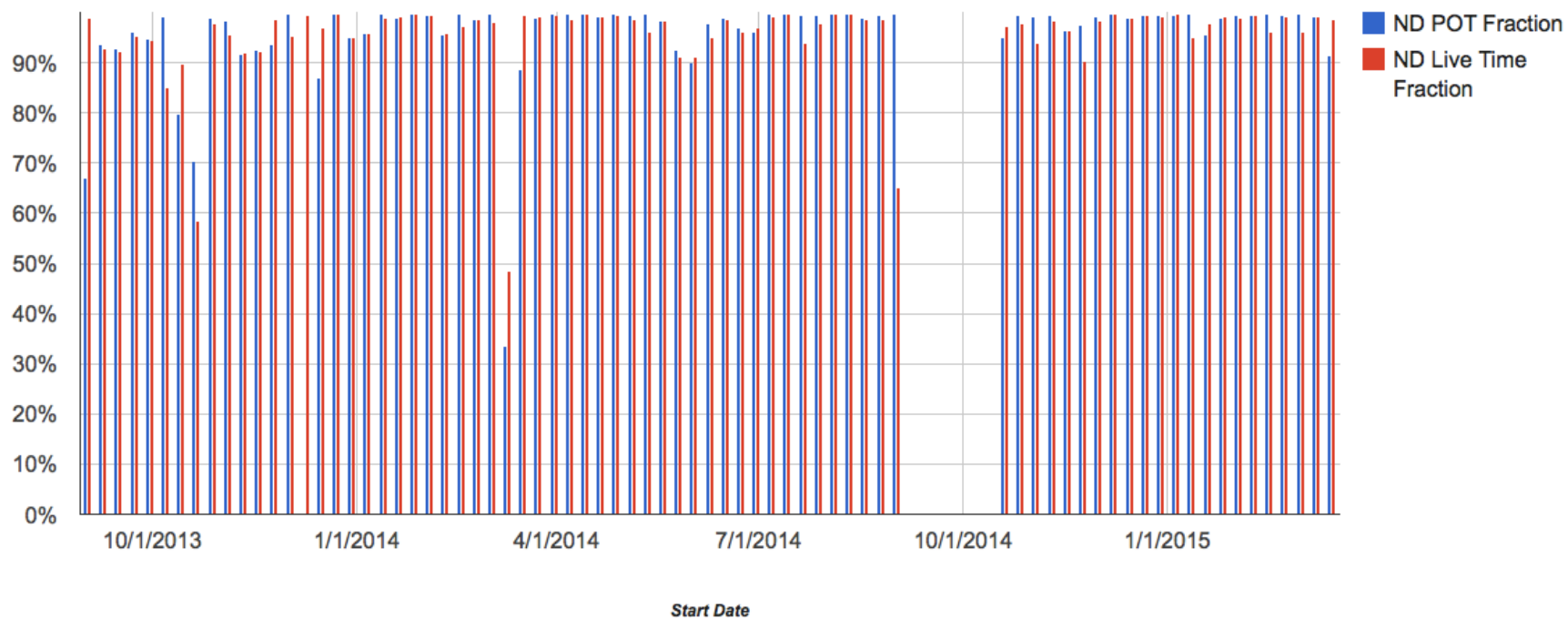
MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
12/29/2014 00:00:00	1/05/2015 00:00:00	99.4%	99.1%	99.3%	98.2%
1/05/2015 00:00:00	1/12/2015 00:00:00	99.5%	99.6%	98.5%	98.6%
1/12/2015 00:00:00	1/19/2015 00:00:00	99.7%	95.0%	99.8%	98.8%
1/19/2015 00:00:00	1/26/2015 00:00:00	95.6%	97.7%	95.8%	93.7%
1/26/2015 00:00:00	2/02/2015 00:00:00	99%	99.3%	99.4%	99.7%
2/02/2015 00:00:00	2/09/2015 00:00:00	99.4%	98.8%	99.8%	99.6%
2/09/2015 00:00:0	2/16/2015 00:00:00	99.4%	99.5%	98.4%	98.4%
2/16/2015 00:00:00	2/23/2015 00:00:00	99.6%	96.2%	99.7%	98.3%
2/23/2015 00:00:00	3/2/2015 00:00:00	99.4%	99.3%	99.6%	99.1%
03/2/2015 00:00:00	3/9/2015 00:00:00	99.6%	96.2%	99.8%	94.7%
3/9/2015 00:00:00	3/16/2015 00:00:00	99.2%	99.2%	99.8%	98.6%
3/16/2015 00:00:00	3/23/2015 00:00:00	91.3%	98.7%	91.1%	92.3%

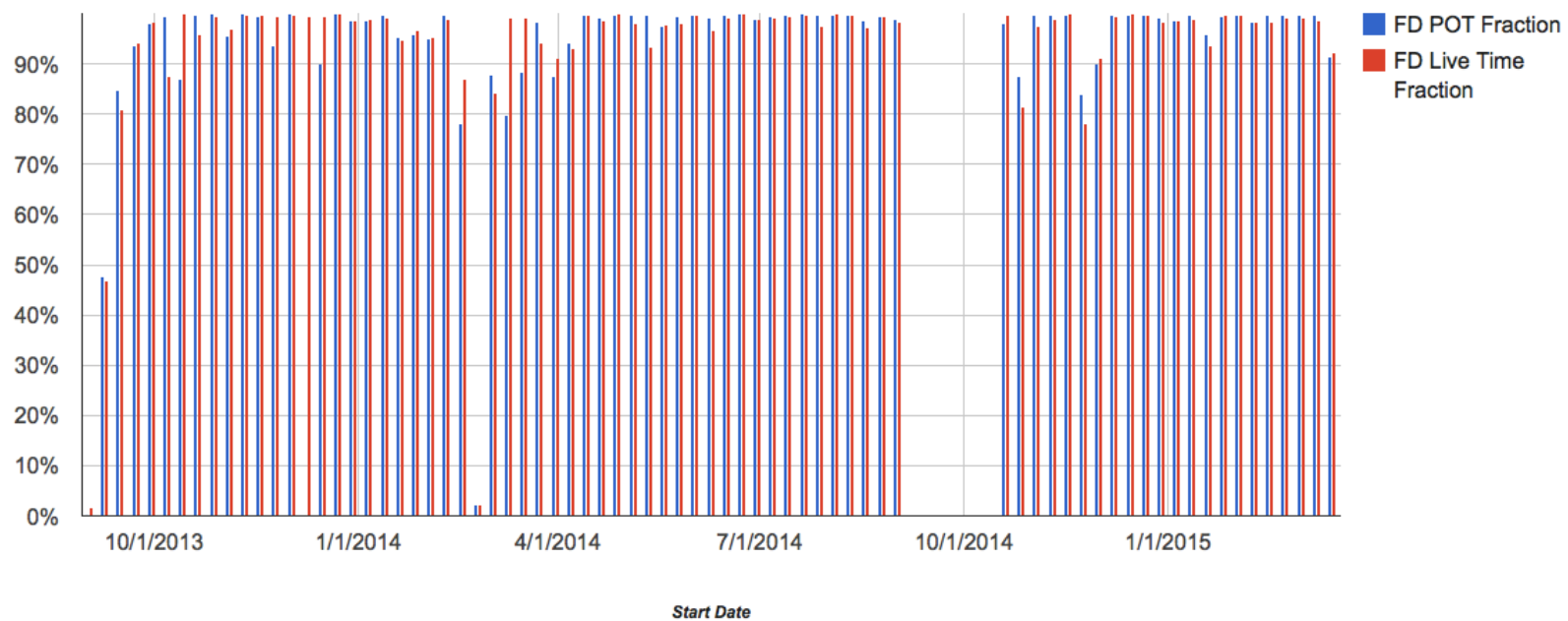


ND POT fraction and Live Time Fraction





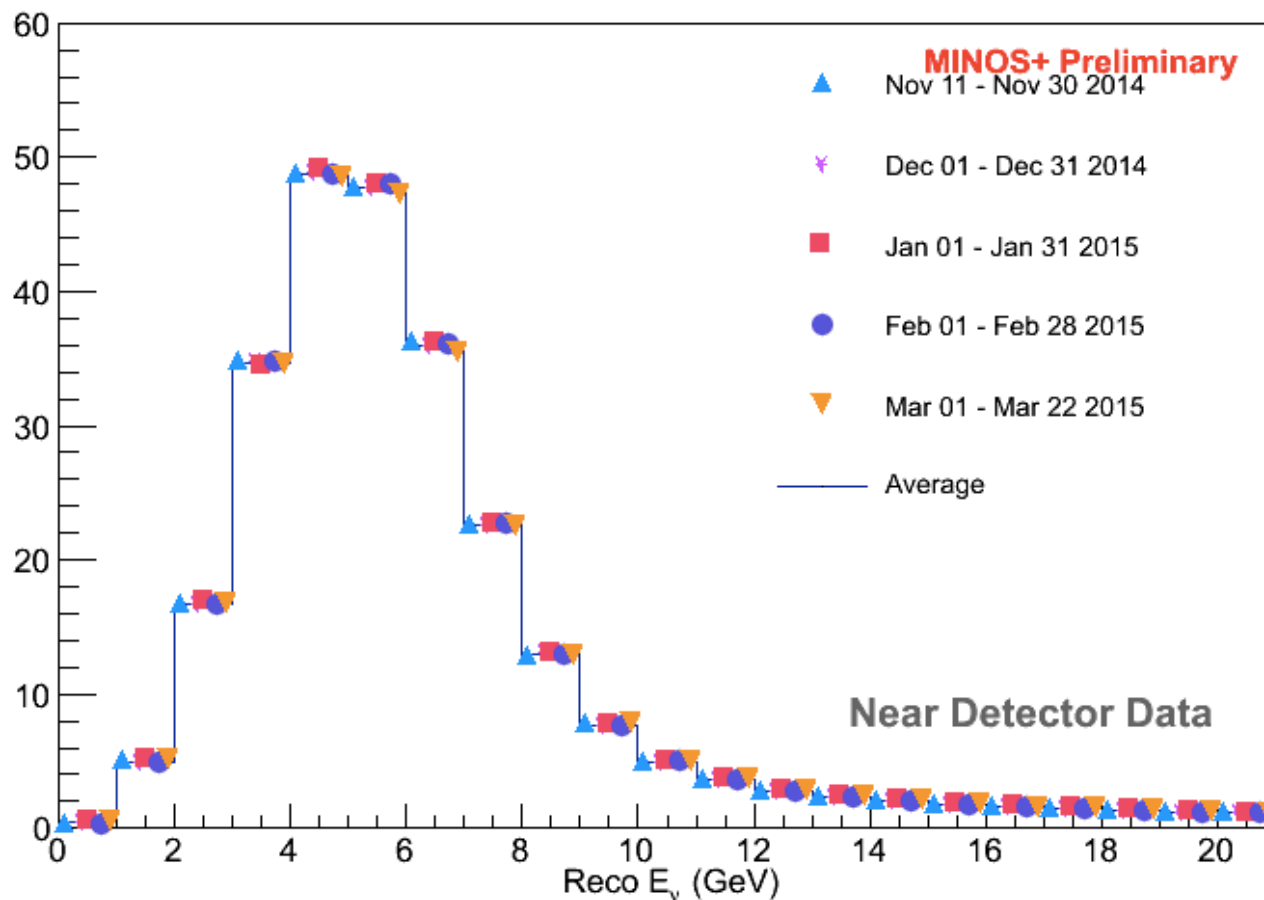
FD POT Fraction and Live Time Fraction





Data Quality Monitoring (Numu-CC)

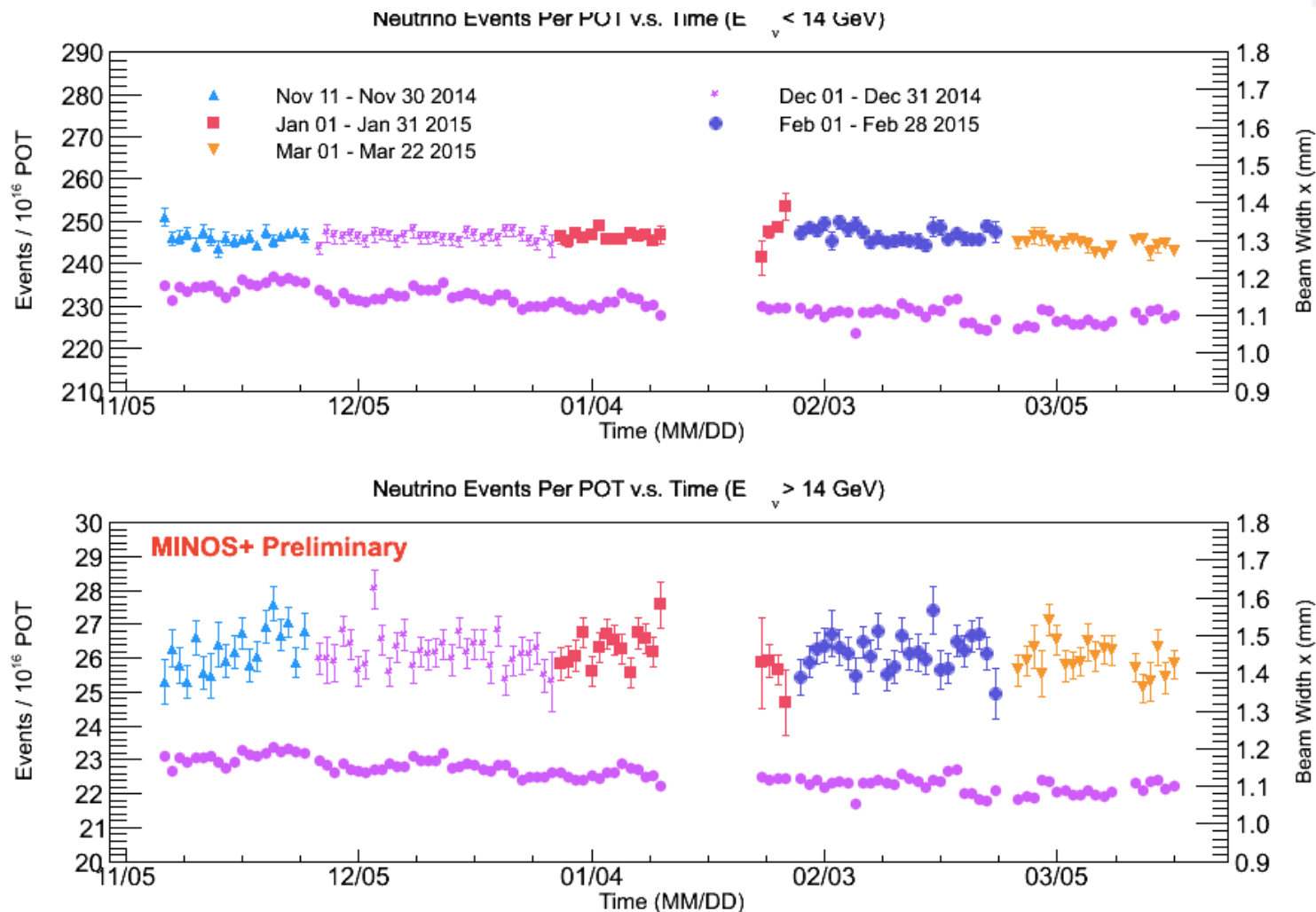
Neutrino Energy Spectrum Stability (PQ and NQ)



Plot courtesy of Ashley Timmons



Data Quality Monitoring (Numu-CC)



Plot courtesy of Ashley Timmons